



AVOX Systems

SERVICE INFORMATION LETTER

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OXYGEN - ATA CHAPTER 35

VENDOR CODE: 53655

TEST DATA SHEET FOR P/N 10008789 Temperature/Pressure Transducer

1. BACKGROUND

- A. ACMM 35-02-14 specifies the tests that must be passed in order to return a unit to service. This SIL provides a standardized form on which to record the results of the required functional tests. This form will be incorporated into the CMM at the next revision.
- B. You are authorized to copy the form on page 2. If you copy the form on page 2, you must copy all of the form.
- C. Use this form only for the AVOX Systems component printed on the form. Do not use this form for any other AVOX Systems components or for any components of another company.

2. EFFECTIVITY

- A. Aircraft
The Test Data Sheets on page 2 can be used for all units whether removed from any aircraft or from spares inventory.
- B. This SIL applies to Temperature/Pressure Transducer P/N 10008789 only.

3. MATERIALS

The only material required by this SIL is the Test Data Sheet on page 2.

4. ACCOMPLISHMENT OF SIL

- A. Make complete copies of the Test Data Sheet on page 2.
- B. Use a copy of the Test Data Sheet from page 2 to record the results of tests whenever a P/N 10008789 is tested.

5. TO CONTACT AVOX SYSTEMS:

Use the contact information below to get a copy of a CMM or the revision status of a publication. Give the AVOX Systems part number and the aircraft model when you request a CMM copy.

First tier operators:

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CMM 35-02-14
TEST DATA SHEET
P/N 10008789 Temperature/Pressure Transducer

Tested by: _____

Date: _____

Part Number: 10008789

Inspected by: _____

Date: _____

Serial Number: _____

Refer to the CHECK section and Paragraph 3 in the TESTING AND FAULT ISOLATION section of ACMM 35-02-14.**1. Visual Inspection**

Check the transducer surfaces and threads for signs of damage, contamination, galling, burrs, corrosion, or too much wear. Check the electrical signal connector for bent, broken, or missing contact pins.

☐ FAILPASS ☐**3. Component Test Procedures****C. Transducer Pressure Accuracy Test**

Perform a transducer pressure accuracy test for P/N 10008789.

Stabilize Transducer to 77 ± 9°F (25 ± 5°C)		
Inlet Pressure psig (MPa)	Allowable Output Voltage (VDC)	
300 ± 15 (2.07 ± 0.10)	0.455 - 0.545	☐ FAIL PASS ☐
600 ± 30 (4.14 ± 0.21)	0.955 - 1.045	☐ FAIL PASS ☐
1200 ± 60 (8.27 ± 0.41)	1.955 - 2.045	☐ FAIL PASS ☐
1800 ± 90 (12.41 ± 0.62)	2.955 - 3.045	☐ FAIL PASS ☐

3. Component Test Procedures**D. Transducer Temperature Accuracy Test**

Perform a transducer temperature accuracy test for P/N 10008789.

Inlet Pressure 0 psig (0 Mpa)		
Exposure Temperature °F (°C)	Allowable Output Voltage (VDC)	
70 (21.1)	3.160 - 3.340	☐ FAIL PASS ☐
0 (-17.8)	1.410 - 1.590	☐ FAIL PASS ☐
40 (4.4)	2.410 - 2.590	☐ FAIL PASS ☐
100 (37.8)	3.910 - 4.090	☐ FAIL PASS ☐